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(21) International Application Number: PCT/US99/25963 (22) International Filing Date: 4 November 1999 (04.11.99) (30) Priority Data: 60/108,234 13 November 1998 (13.11.98) US (71) Applicant (for all designated States except US): OSIRIS THERAPEUTICS, INC. [US/US]; 2001 Aliceanna Street, Baltimore, MD 21231-2001 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MC INTOSH, Kevin, R. [US/US]; 4225 Blue Barrow Ride, Ellicott City, MD 21042 (US). MOSCA, Joseph, D. [US/US]; 4201 Blue Barrow Ride, Ellicott City, MD 21042 (US). KLYUSHNENKOVA, Elena, N. [RU/US]; 9005 Moonstone Road, Baltimore, MD 21236 (US). (74) Agents: LILLIE, Raymond et al.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: USES OF FIBROBLASTS OR SUPERNATANTS FROM FIBROBLASTS FOR THE SUPPRESSION OF IMMUNE RESPONSES IN TRANSPLANTATION (57) Abstract Disclosed is a method of inducing a reduced immune response to a transplant in a recipient by treating said recipient with an amount of fibroblasts or a supernatant from a fibroblast culture effective to reduce or inhibit host rejection of the transplant. The fibroblasts or a supernatant from a fibroblast culture can be administered before, at the same time as, or after the transplant. This method is effective in reducing an immune response to a transplant without compromising the immune response to other foreign antigens. Also disclosed is a method of inducing a reduced immune response against a host by foreign tissue, i.e., graft versus host disease.		